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I hereby certify that this paper, and the papers and/or fees referred to herein as transmitted, submitted or enclosed, are being deposited on the date shown below with the U.S. Postal Service with sufficient postage as first-class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20232.

Signature: Kim R. Jessum

Date of Deposit: April 26, 2002

Name: Kim R. Jessum

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Virind S. Gujral et al.

Serial No.: 09/955,751

Group Art Unit: 2164

Filed: September 19, 2001

Examiner: Unassigned

For: SYSTEM AND METHOD FOR
CONDUCTING ELECTRONIC
AUCTIONS WITH
MULTI-PARAMETER
OPTIMAL BIDDING

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MAY 09 2002

Commissioner for Patents and Trademarks
Washington, D.C. 20231

Technology Center 2100

TRANSMITTAL LETTER

Sir:

Enclosed please find a Power of Attorney By Assignee in connection with the above-referenced matter to be filed with your office.

Respectfully submitted,

MORGAN, LEWIS & BOCKIUS LLP

Dated: April 29, 2002

By: Kim R. Jessum

Kim R. Jessum

Reg. No. 43,694

MORGAN, LEWIS & BOCKIUS LLP
1701 Market Street
Philadelphia, PA 19103



COPY OF PAPERS
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PATENT

ATTORNEY DOCKET NO.: 046700-5052

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Virind S. Gujral
Tim Jackovic
Greg S. Anderson
Dan V. Pedersen
William D. Rupp
Chad Adams

Serial No.: 09/955,751

Group Art Unit:

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Commissioner for Patents
Washington, D.C. 20231

Sir:

POWER OF ATTORNEY BY ASSIGNEE

The undersigned Assignee of the entire interest in the above-identified application hereby grants power of attorney to the registered practitioner listed below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and directs that all correspondence be addressed to:

Daniel H. Golub (Reg. No. 33,701)
Kim R. Jessum (Reg. No. 43,694)
Morgan, Lewis & Bockius LLP
1701 Market Street
Philadelphia, Pennsylvania 19103-2921
215-963-5299 (facsimile)

Please direct all telephone calls to Daniel H. Golub at 215-963-5055.

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

FreeMarkets, Inc., a United States corporation, certifies that it is:

1. ☒ an assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the application identified above by virtue of:

- A. An assignment from the inventor(s) of the application identified above. The assignment was recorded as follows:

FROM	TO	REEL/FRAME NO.
		Reel: Frame:

OR

- B. A chain of title from the inventors, of the application identified above, to the current assignee as shown below:

1. From: Virind S. Gujral, Tim Jackovic, Greg S. Anderson, Dan V. Pedersen, William D. Rupp and Chad Adams
To: FreeMarkets, Inc.
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☒ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the Assignee.

FreeMarkets, Inc.
FreeMarkets Center
210 Sixth Avenue
Pittsburgh, Pennsylvania 15222

Dated: 12/20/2001

By: _____

David J. Becker
President



UNITED STATES
PATENT AND
TRADEMARK OFFICE



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FEBRUARY 15, 2002

MORGAN, LEWIS & BOCKIUS LLP
DANIEL H. GOLUB
1701 MARKET STREET
PHILADELPHIA, PA 19103-2921

PTAS FEB 22 2002

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov



101928819A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/26/2001

REEL/FRAME: 012394/0594
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
GUJRAL, VIRIND S.

DOC DATE: 12/14/2001

ASSIGNOR:
JACKOVIC, TIM

DOC DATE: 12/13/2001

ASSIGNOR:
ANDERSON, GREG S.

DOC DATE: 12/13/2001

ASSIGNOR:
PEDERSEN, DAN V.

DOC DATE: 12/13/2001

ASSIGNOR:
RUPP, WILLIAM D.

DOC DATE: 12/14/2001

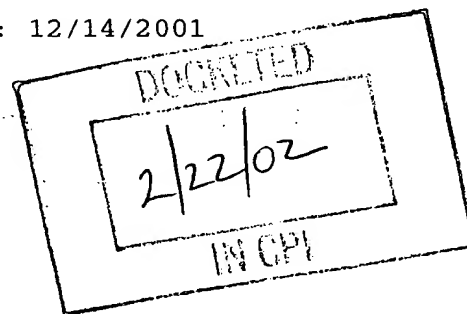
ASSIGNOR:
ADAMS, CHAD

DOC DATE: 12/14/2001

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012394/0594 PAGE 2

ASSIGNEE:

FREEMARKETS, INC.
FREE MARKETS CENTER, 210 SIXTH
AVENUE
PITTSBURGH, PENNSYLVANIA 15222

SERIAL NUMBER: 09955751
PATENT NUMBER:

FILING DATE: 09/19/2001
ISSUE DATE:

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM PTO-1596
(Rev. 6-93)

RI

12-26-01
12-31-2001

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney Docket No.: 046700-5052

To the Commissioner for Patents:
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Virind S. GUJRAL
Tim JACKOVIC
Greg S. ANDERSON
Dan V. PEDERSEN
William D. RUPP
Chad ADAMS

12-26-01

Additional name(s) of conveying party(ies) attached? No

2. Name and address of receiving party(ies):

Name: FreeMarkets, Inc.

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MAY 09 2002

Internal Address:

Technology Center 2100

Street Address: FreeMarkets Center
210 Sixth Avenue

City: Pittsburgh

State: PA

Zip: 15222

Additional name(s) & address(es) attached?

Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: December 14, 2001 and December 13, 2001.

4. Application number(s) or patent number(s):

If this document is being filed together with a new application the execution date of the application is _____

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MAY 09 2002

Technology Center 2100

A. Patent Application No.(s)
09/955,751

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: DANIEL H. GOLUB

Internal Address: Morgan, Lewis & Bockius LLP

Street Address: 1701 Market Street

City: Philadelphia State: PA Zip: 19103-2921

6. Total number of applications and patents involved: 17. Total fee (37 C.F.R. §3.41): \$40.00☒ Enclosed☐ Authorized to be charged to deposit account 50-0310

8. Deposit account number: 50-0310

Attach duplicate of page if paying by deposit account

9. Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Richard W. James, Reg. No. 43,690
Name of Person Signing
Signature12/19/2001
DateTotal number of pages including cover sheet, attachments and documents: 6

12/28/2001 LMUELLER 00000247 09955751

01 FC:581

40.00 OP

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

**SYSTEM AND METHOD FOR CONDUCTING ELECTRONIC AUCTIONS WITH
MULTI-PARAMETER OPTIMAL BIDDING**

for which we executed an application for United States Letters Patent on September 19, 2001 and assigned U.S. Serial No. 09/955,751;
and

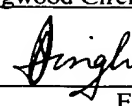
WHEREAS, FreeMarkets, Inc., a corporation of Delaware, whose mailing address is FreeMarkets Center, 210 Sixth Avenue, Pittsburgh, Pennsylvania 15222 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and those applications, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

County of _____	_____ Virind S. GUJRAL Full Name of Sole or First Assignor
State of _____	SS. 226 Dogwood Circle, Baden, PA 15005 Address
Subscribed and sworn to before me this ____ day of _____, 2001.	 First Assignor's Signature
_____ Notary Public	12/14/01 Date
Names of additional inventors attached [X] Yes [] No	

County of _____

State of _____

Subscribed and sworn to before me
This __ day of _____, 2001.

____ Notary Public

Tim JACKOVIC
Full Name of Second Assignor

SS. 204 Longuevue Drive, Mt. Lebanon, PA 15228
Address

[Signature]
Second Assignor's Signature

12-13-01
Date

County of _____

State of _____

Subscribed and sworn to before me
This __ day of _____, 2001.

____ Notary Public

Greg S. ANDERSON
Full Name of Third Assignor

SS. 403 Chestnut Grove, Cranberry Township, PA 16066
Address

Third Assignor's Signature

Date

County of _____

State of _____

Subscribed and sworn to before me
This __ day of _____, 2001.

____ Notary Public

Dan V. PEDERSEN
Full Name of Fourth Assignor

SS. 9517 Old Perry Highway, Pittsburgh, PA 15237
Address

Fourth Assignor's Signature

Date

County of _____

State of _____

Subscribed and sworn to before me
This __ day of _____, 2001.

____ Notary Public

William D. RUPP
Full Name of Fifth Assignor

449 Marietta Place, Mt. Lebanon, PA 15228
Address

Fifth Assignor's Signature

Date

Names of additional inventors attached [X] Yes [] No

County of _____

State of _____

Subscribed and sworn to before me
This ___ day of _____, 2001.

Notary Public

Tim JACKOVIC
Full Name of Second Assignor

SS. 204 Longuevue Drive, Mt. Lebanon, PA 15228
Address

Second Assignor's Signature

Date

County of _____

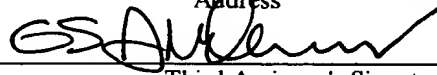
State of _____

Subscribed and sworn to before me
This ___ day of _____, 2001.

Notary Public

Greg S. ANDERSON
Full Name of Third Assignor

SS. 403 Chestnut Grove, Cranberry Township, PA 16066
Address


Third Assignor's Signature

12/13/01
Date

County of _____

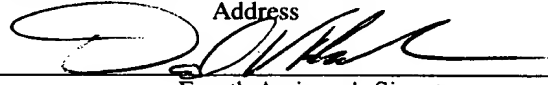
State of _____

Subscribed and sworn to before me
This ___ day of _____, 2001.

Notary Public

Dan V. PEDERSEN
Full Name of Fourth Assignor

SS. 9517 Old Perry Highway, Pittsburgh, PA 15237
Address


Fourth Assignor's Signature

12/13/01
Date

County of _____

State of _____

Subscribed and sworn to before me
This ___ day of _____, 2001.

Notary Public

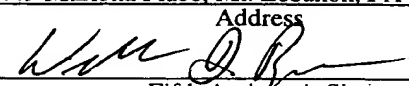
William D. RUPP
Full Name of Fifth Assignor

449 Marietta Place, Mt. Lebanon, PA 15228
Address

Fifth Assignor's Signature

Date

Names of additional inventors attached [X] Yes [] No

<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me This ____ day of _____, 2001.</p> <p>_____ Notary Public</p>	<p style="text-align: center;"><u>Tim JACKOVIC</u> Full Name of Second Assignor</p> <p>SS. <u>204 Longuevue Drive, Mt. Lebanon, PA 15228</u> Address</p> <p style="text-align: center;">_____ Second Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me This ____ day of _____, 2001.</p> <p>_____ Notary Public</p>	<p style="text-align: center;"><u>Greg S. ANDERSON</u> Full Name of Third Assignor</p> <p>SS. <u>403 Chestnut Grove, Cranberry Township, PA 16066</u> Address</p> <p style="text-align: center;">_____ Third Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me This ____ day of _____, 2001.</p> <p>_____ Notary Public</p>	<p style="text-align: center;"><u>Dan V. PEDERSEN</u> Full Name of Fourth Assignor</p> <p>SS. <u>9517 Old Perry Highway, Pittsburgh, PA 15237</u> Address</p> <p style="text-align: center;">_____ Fourth Assignor's Signature</p> <p style="text-align: center;">_____ Date</p>
<p>County of _____</p> <p>State of _____</p> <p>Subscribed and sworn to before me This ____ day of _____, 2001.</p> <p>_____ Notary Public</p>	<p style="text-align: center;"><u>William D. RUPP</u> Full Name of Fifth Assignor</p> <p><u>449 Marietta Place, Mt. Lebanon, PA 15228</u> Address</p> <p style="text-align: center;"> Fifth Assignor's Signature</p> <p style="text-align: center;"><u>12/14/01</u> Date</p>
<p>Names of additional inventors attached [X] Yes [] No</p>	

County of _____

State of _____

Subscribed and sworn to before me
This ____ day of _____, 2001.

_____, Notary Public

SS.

Chad ADAMS

Full Name of Sixth Assignor

1812 Ventana Drive, Coraopolis, PA 15108

134 Winning Way, SouthPointe, PA 15317

Address

Sixth Assignor's Signature

12/14/2001

Date

Names of additional inventors attached [] Yes [X] No